

Abstract

A multifocal lens system to be used for digital cameras for setting any one of a plurality of lenses in a picture taking (image capturing) position comprising a wide-angle lens (shorter focal length lens) mounted in front of an image sensor in
5 a picture taking (image capturing) position, a telephoto lens (longer focal length lens) mounted alongside the wide-angle lens, a parallelogram prism (rhombic prism) or a pair of triangular prisms removably arranged between the two lenses at the rear of them. When the wide-angle lens is to be used, the parallelogram prism or one of the two triangular prisms is to be removed from the rear of
10 wide-angle lens so that the wide-angle lens can be focused on the sensor enabling light to pass therethrough. The telephoto lens is so positioned that it may be focused on the image sensor through the parallelogram prism or being reflected by the triangular prisms enabling light to pass therethrough when a part of the parallelogram prism or one of the two triangular prisms is placed in front of the
15 image sensor to cover the imaging area of the sensor and to shut the light through the wide-angle lens to the sensor. By moving the prism from the rear of each lens, one of the two lenses can be positioned for picture taking (image capturing).

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